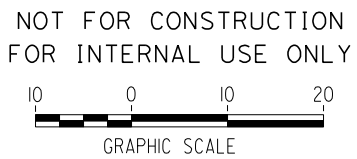
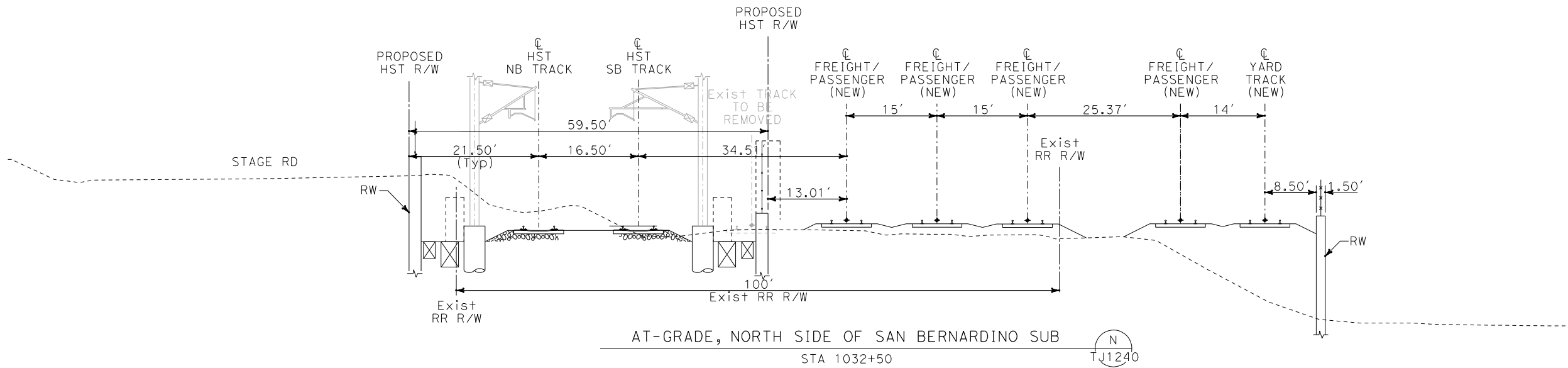


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SPERRYKM



REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
LA MIRADA YARD TRACK OPTION
CROSS SECTIONS

CONTRACT NO. HSR06-0005
DRAWING NO. TJ3106
SCALE 1" = 10'
SHEET NO.



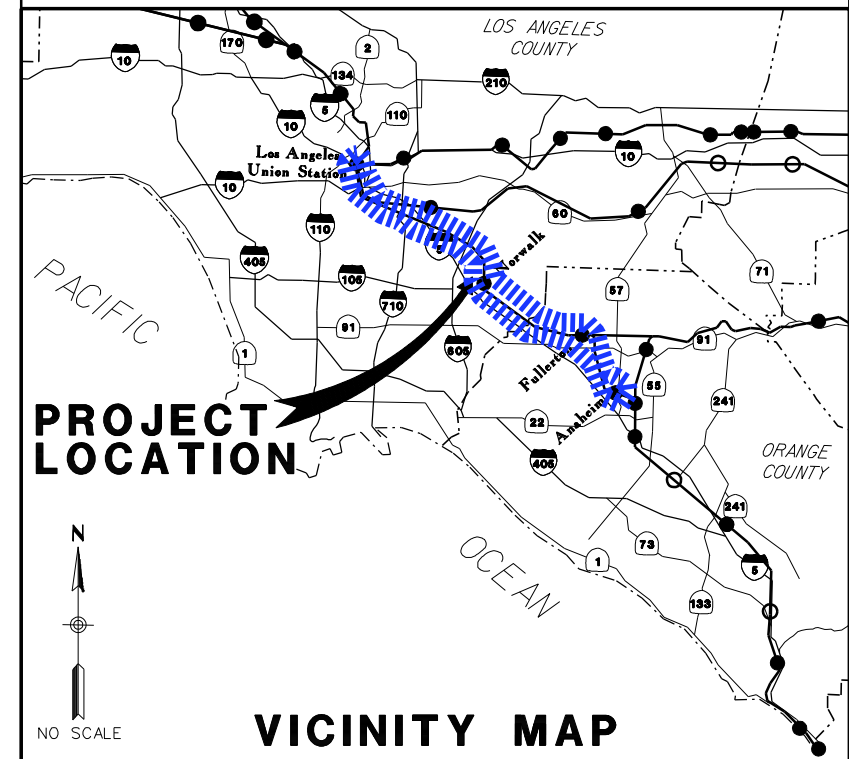
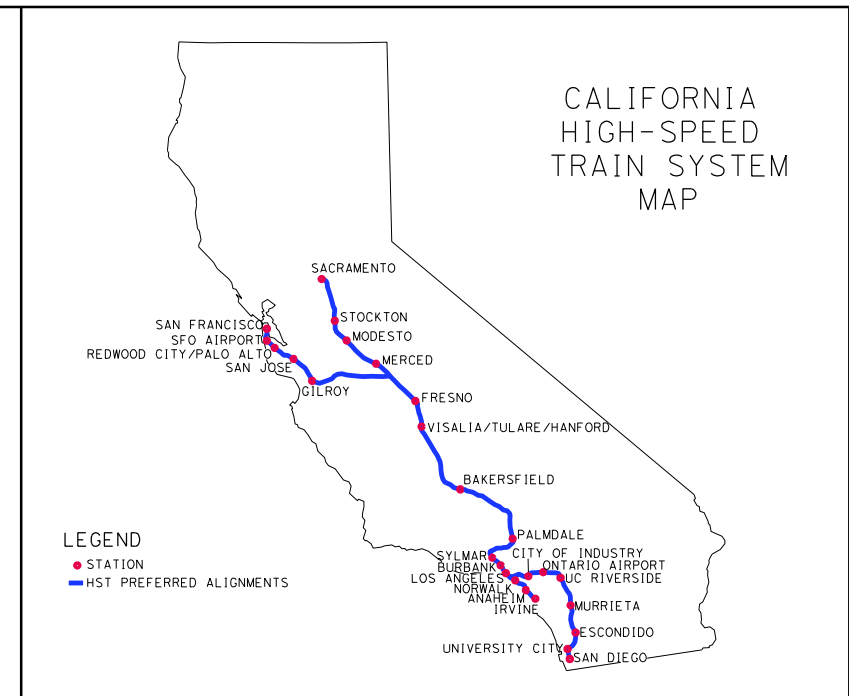
CALIFORNIA HIGH - SPEED RAIL AUTHORITY FLY CALIFORNIA

Without ever leaving the ground.

CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM SECTION

SUPPLEMENTAL 15% DESIGN SUBMITTAL

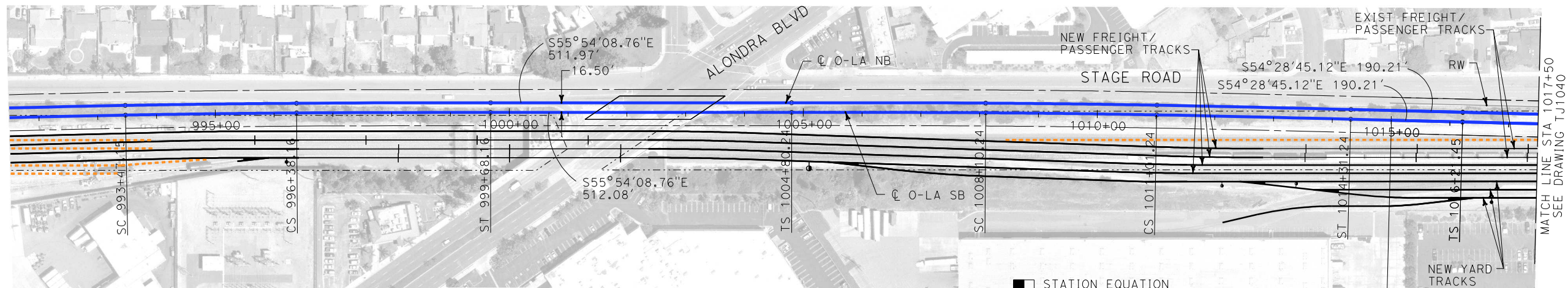
BUENA PARK TUNNEL OPTION



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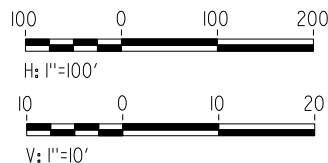
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DESIGN SUBMITTAL
MARCH 19, 2010**

CONTRACT NO.	HSR06-0005
DRAWING NO.	BJ0601
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SHEET NO.	

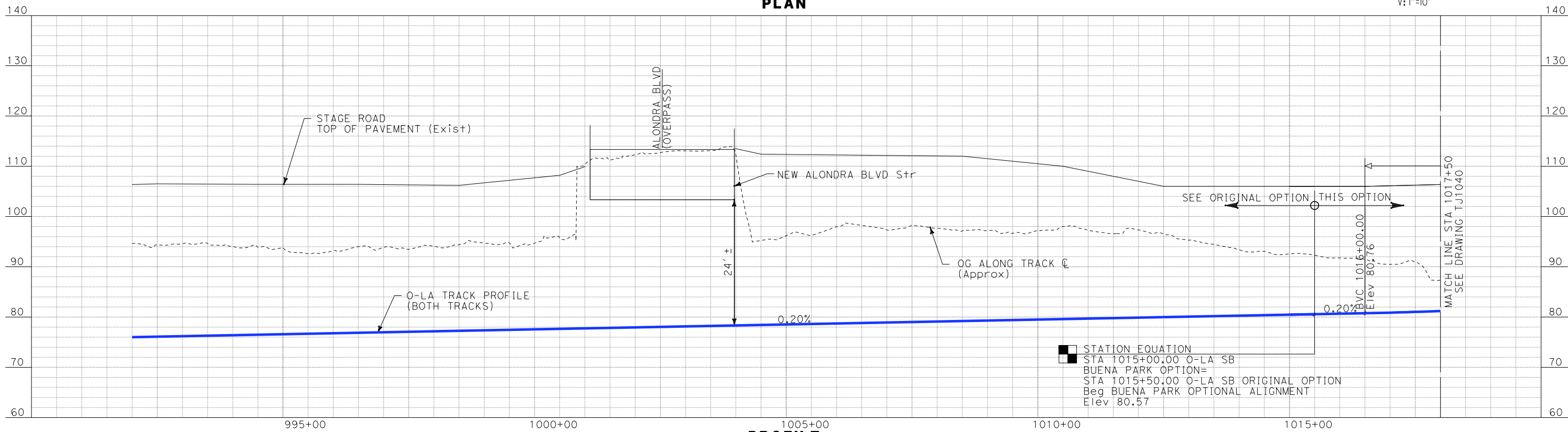


STATION EQUATION
STA 1015+00.00 O-LA SB BUENA PARK OPTION =
STA 1015+00 O-LA SB ORIGINAL OPTION
Beg BUENA PARK OPTIONAL ALIGNMENT

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FOR INTERNAL USE ONLY



PLAN



STATION EQUATION
STA 1015+00.00 O-LA SB
BUENA PARK OPTION=
STA 1015+50.00 O-LA SB ORIGINAL OPTION
Beg BUENA PARK OPTIONAL ALIGNMENT
Elev 80.57

PROFILE

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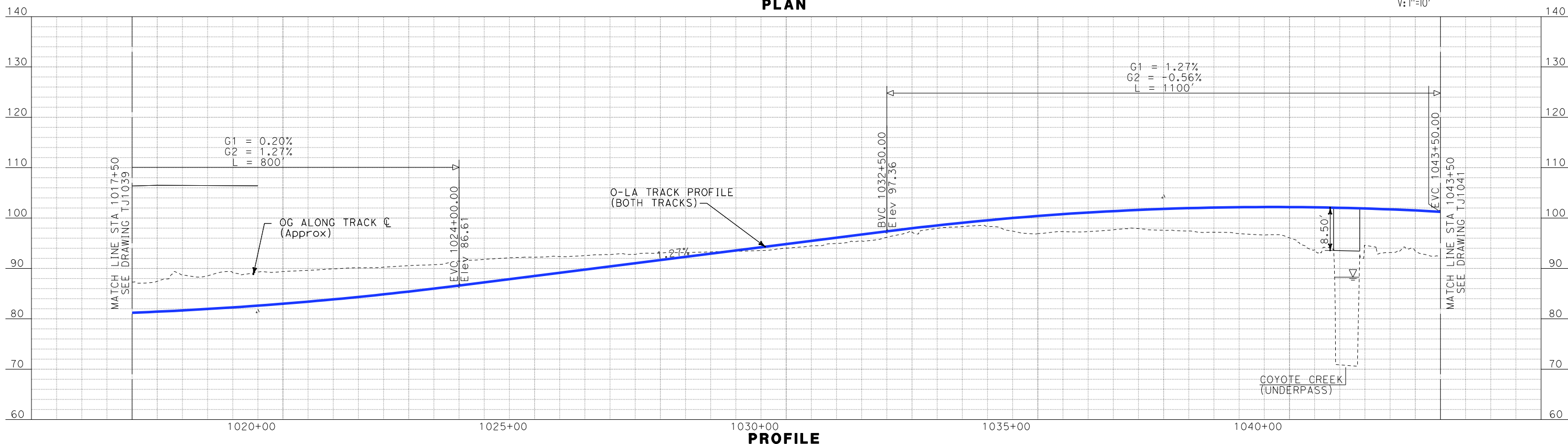
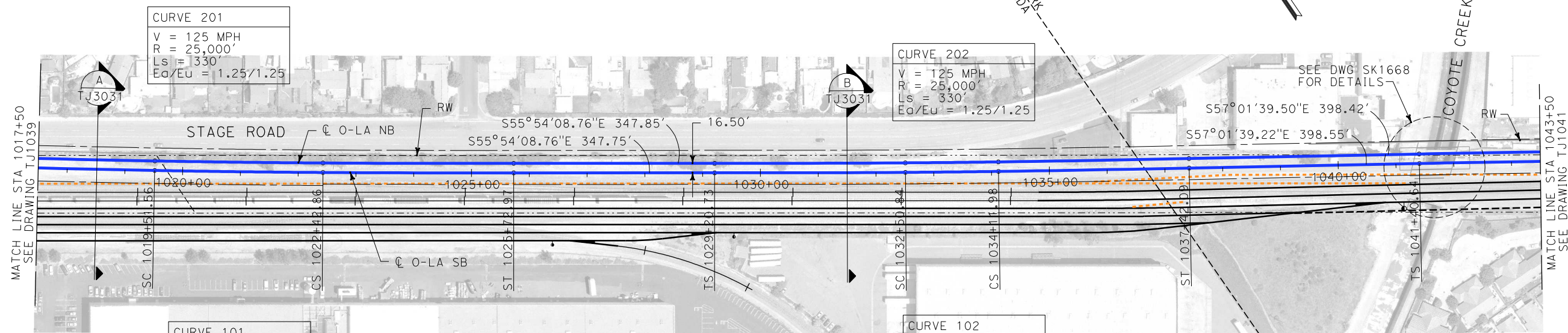
REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
PLAN AND PROFILE
STA 991+50 TO STA 1017+50

CONTRACT NO. HSR06-0005
DRAWING NO. TJ1039
SCALE AS SHOWN
SHEET NO.



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martinj

REV	DATE	BY	SUB	APP	DESCRIPTION

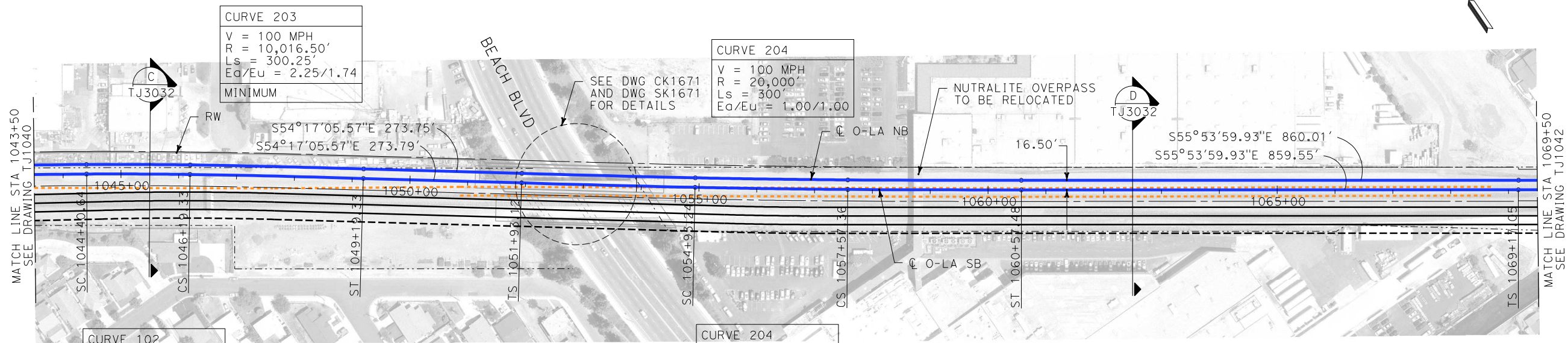
DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



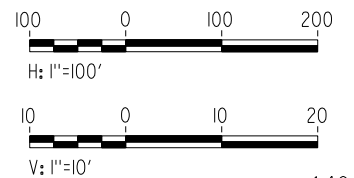
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
PLAN AND PROFILE
STA 1017+50 TO STA 1043+50

CONTRACT NO. HSR06-0005
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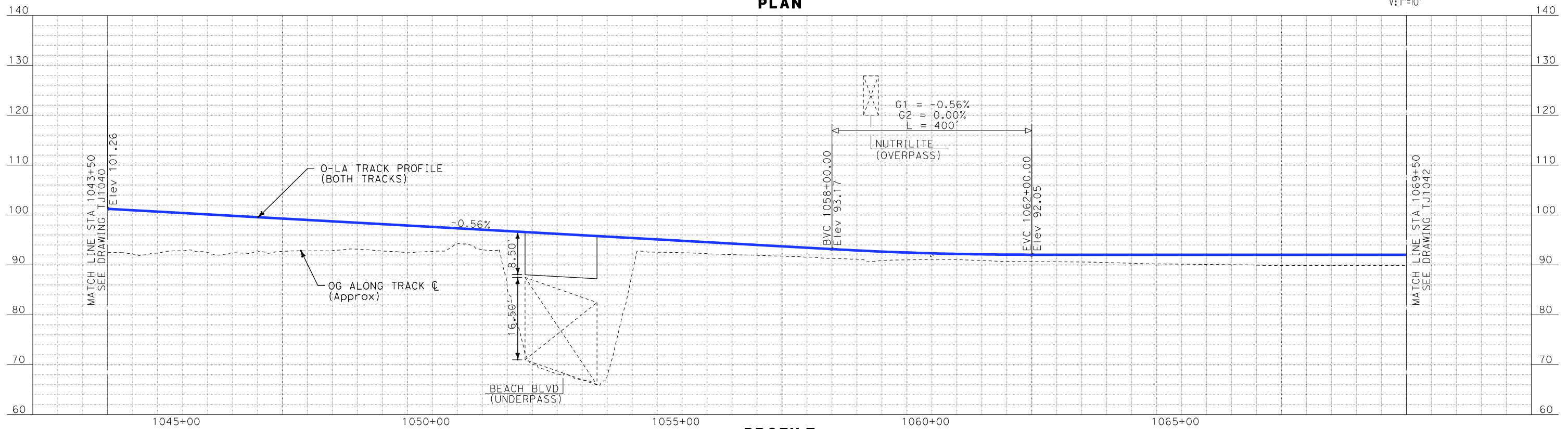
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PLAN



PROFILE

REV	DATE	BY	SUB	APP	DESCRIPTION

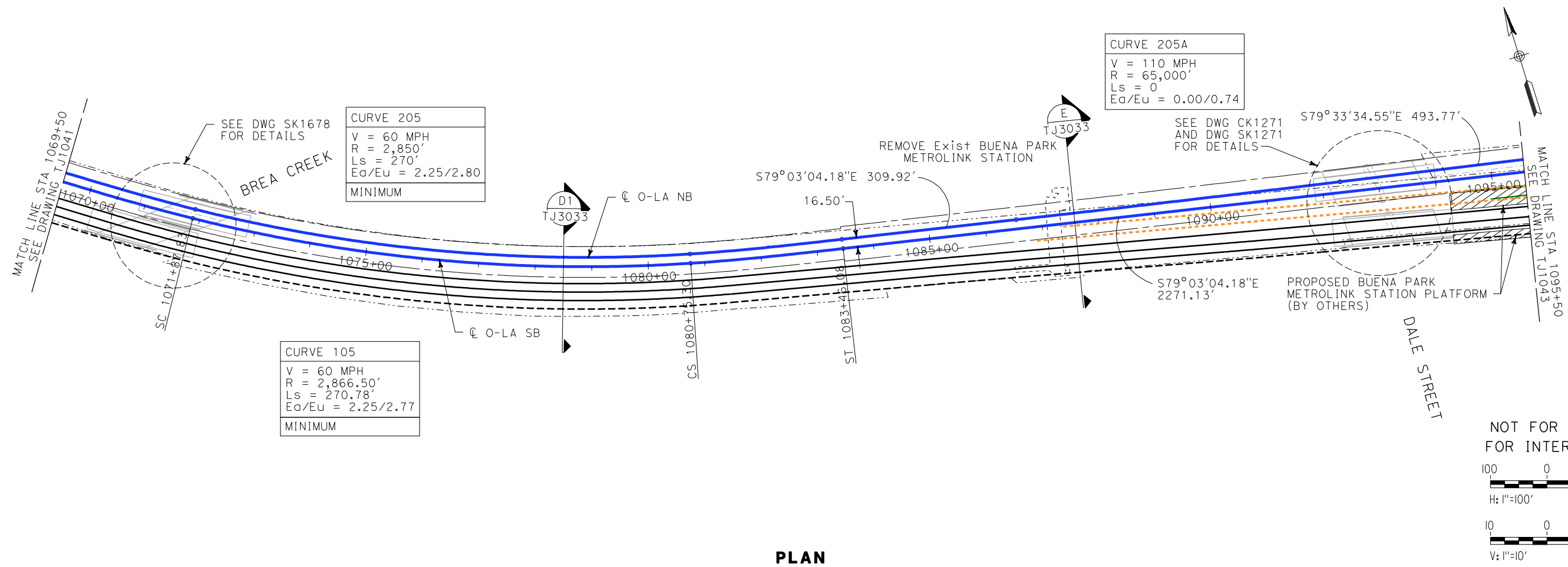
DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



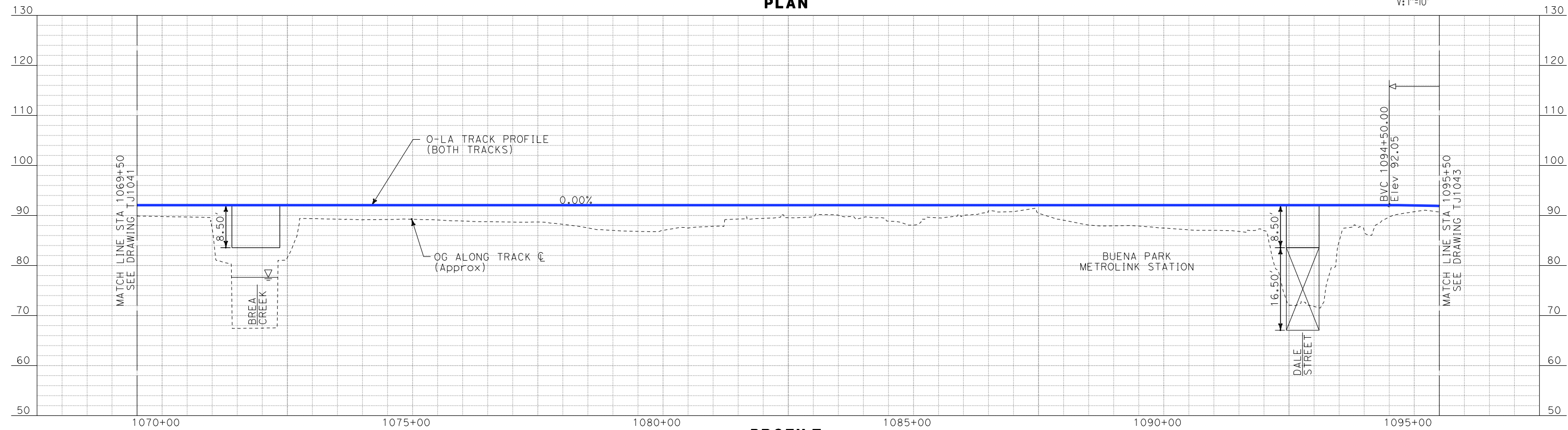
CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
PLAN AND PROFILE
STA 1043+50 TO STA 1069+50

CONTRACT NO. HSR06-0005
DRAWING NO. TJ1041
SCALE AS SHOWN
SHEET NO.

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PLAN



PROFILE

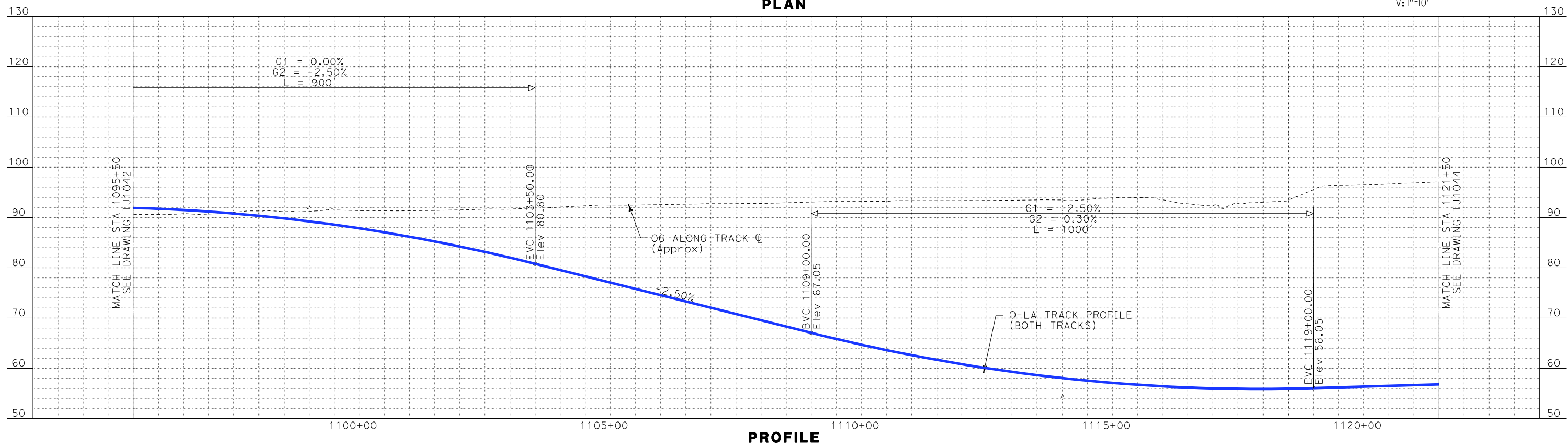
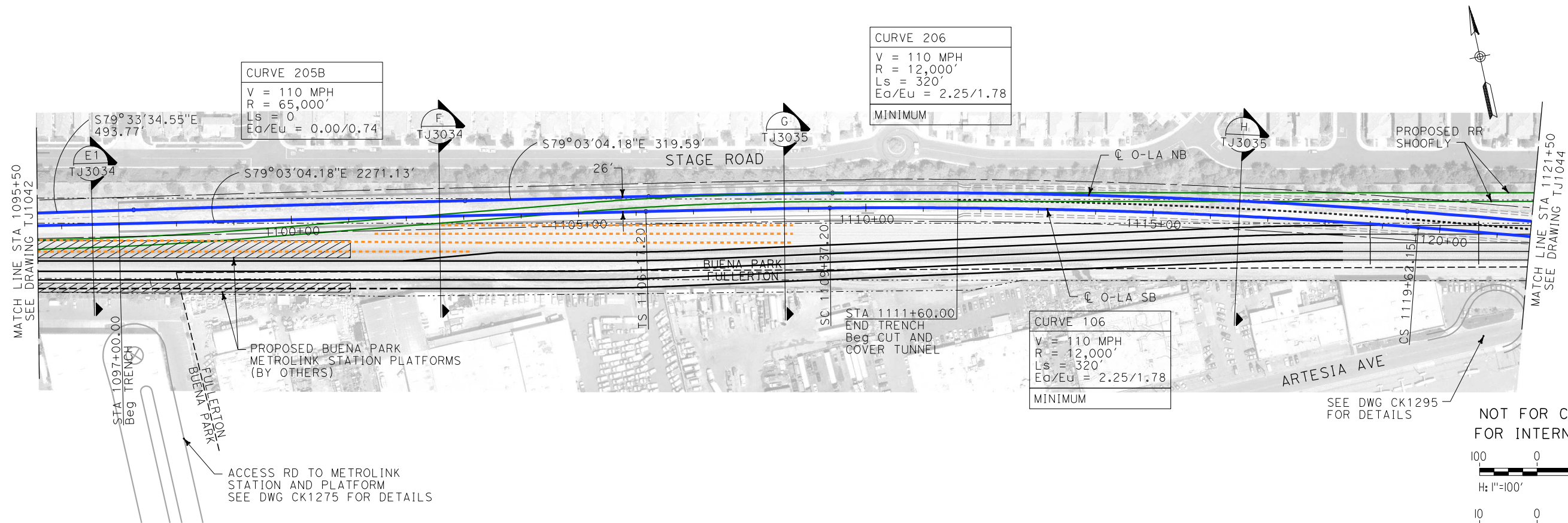
REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
PLAN AND PROFILE
STA 1069+50 TO STA 1095+50

CONTRACT NO. HSR06-0005
DRAWING NO. TJ1042
SCALE AS SHOWN
SHEET NO.



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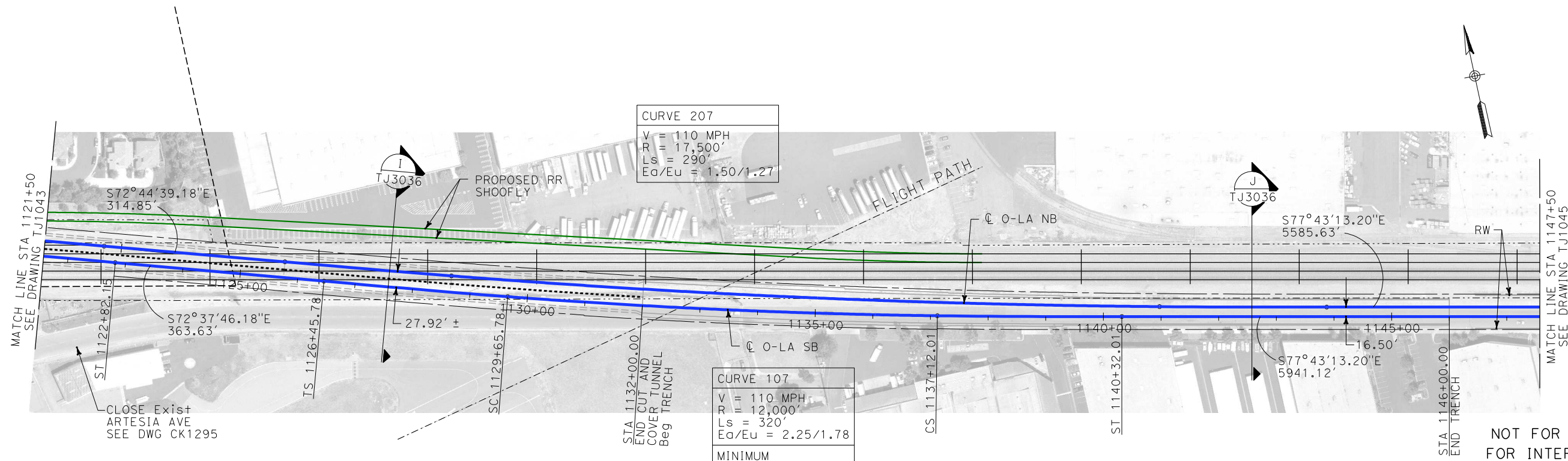
DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



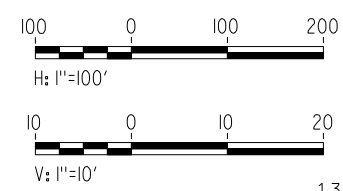
CALIFORNIA HIGH-SPEED RAIL AUTHORITY
FLY CALIFORNIA
Without ever leaving the ground.

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
PLAN AND PROFILE
STA 1095+50 TO STA 1121+50

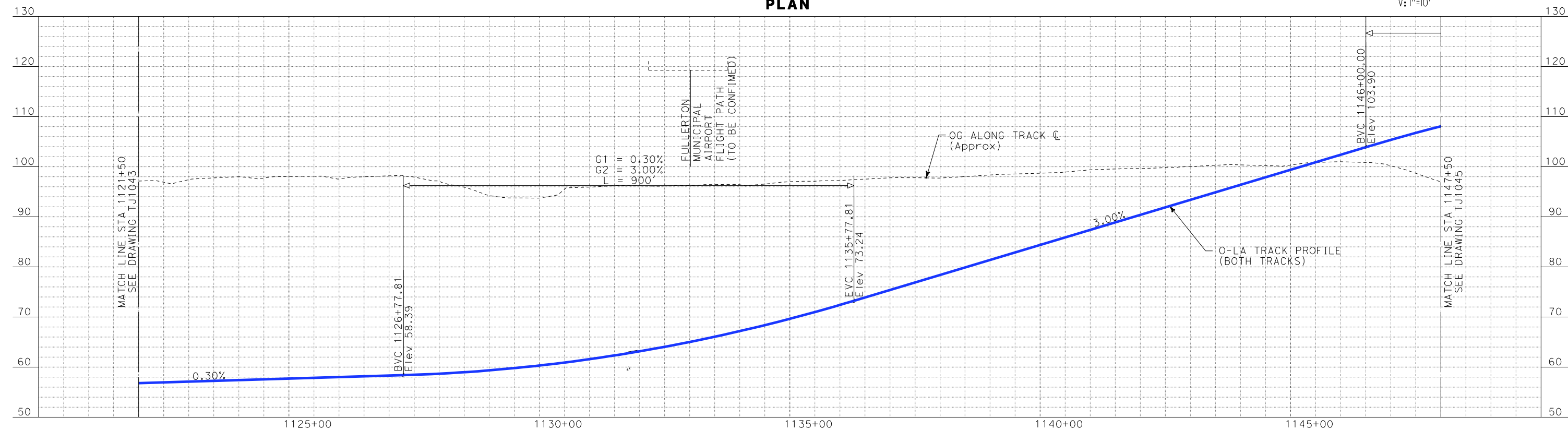
CONTRACT NO. HSR06-0005
DRAWING NO. TJ1043
SCALE AS SHOWN
SHEET NO.



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PLAN



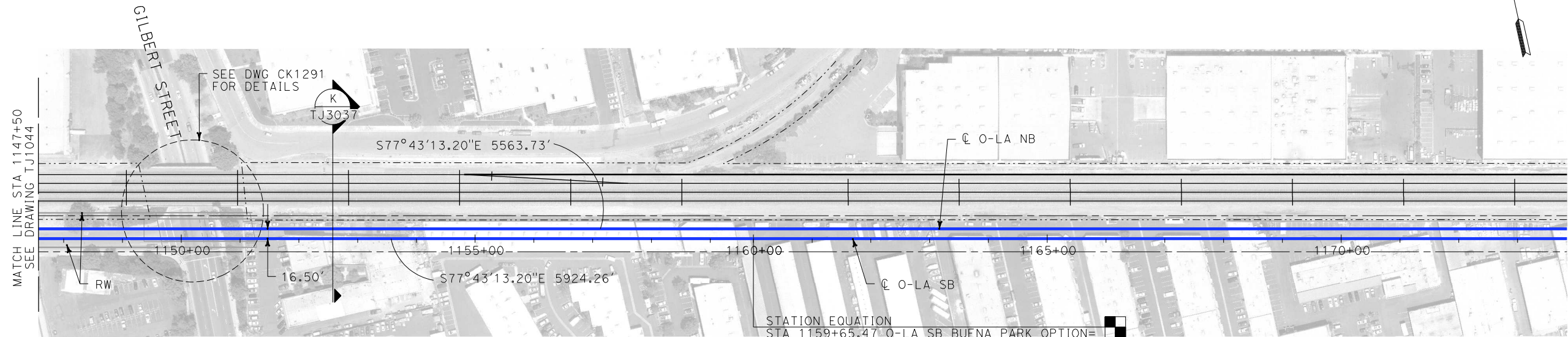
PROFILE

DESIGNED BY	K. MCCULLOUGH
DRAWN BY	K. MCCULLOUGH
CHECKED BY	A. SOKOL
IN CHARGE	D. THOMSON
DATE	04-15-10

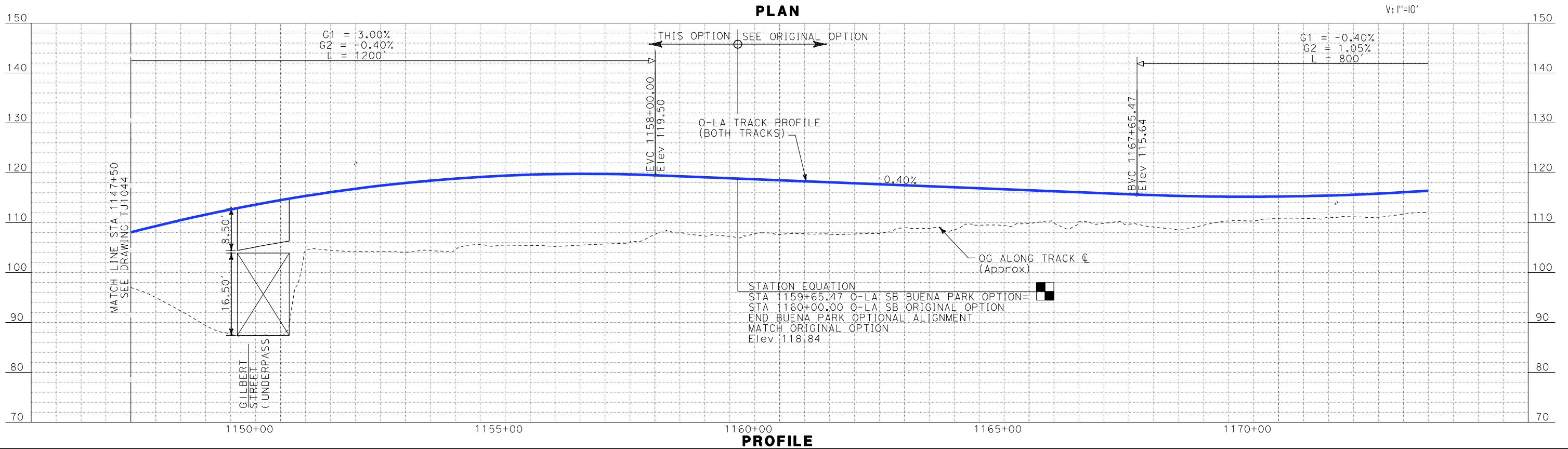
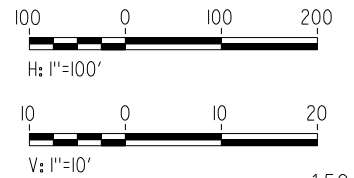


CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
PLAN AND PROFILE
STA 1121+50 TO STA 1147+50

CONTRACT NO.	HSR06-0005
DRAWING NO.	TJ1044
SCALE	AS SHOWN
SHEET NO.	



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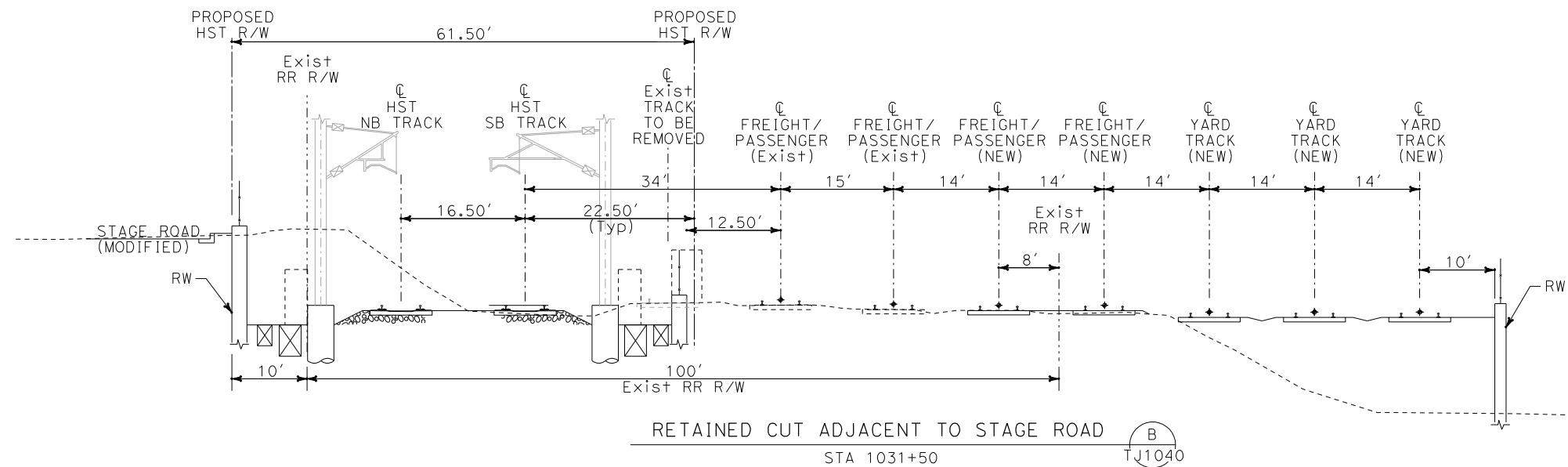
REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10




CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
PLAN AND PROFILE
STA 1147+50 TO STA 1173+50

CONTRACT NO. HSR06-0005
DRAWING NO. TJ1045
SCALE AS SHOWN
SHEET NO.




A horizontal scale bar with tick marks at 0, 10, and 20. The bar is divided into segments: a black segment from 0 to 5, a white segment from 5 to 10, a black segment from 10 to 15, and a white segment from 15 to 20. The text "GRAPHIC SCALE" is centered below the bar.

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						DRAWN BY K. MCCULLOUGH
						CHECKED BY A. SOKOL
						IN CHARGE D. THOMSON
						DATE 04-15-10
REV	DATE	BY	SUB	APP		DESCRIPTION



STV Incorporated
ENGINEERS/ARCHITECTS/PLANNERS/CONSTRUCTION MANAGERS
1055 WEST SEVENTH STREET, SUITE 3150
LOS ANGELES, CA 90017-2556



CALIFORNIA HIGH-SPEED RAIL AUTHORITY

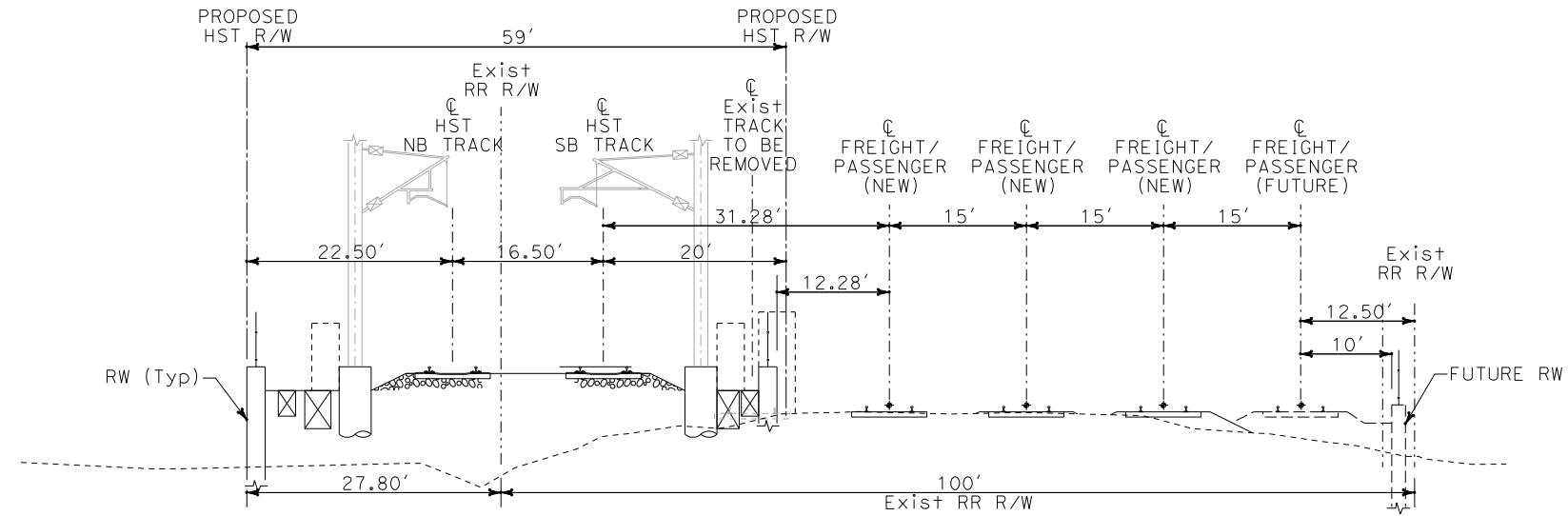
FLY CALIFORNIA
Without ever leaving the ground.

CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
CROSS SECTIONS

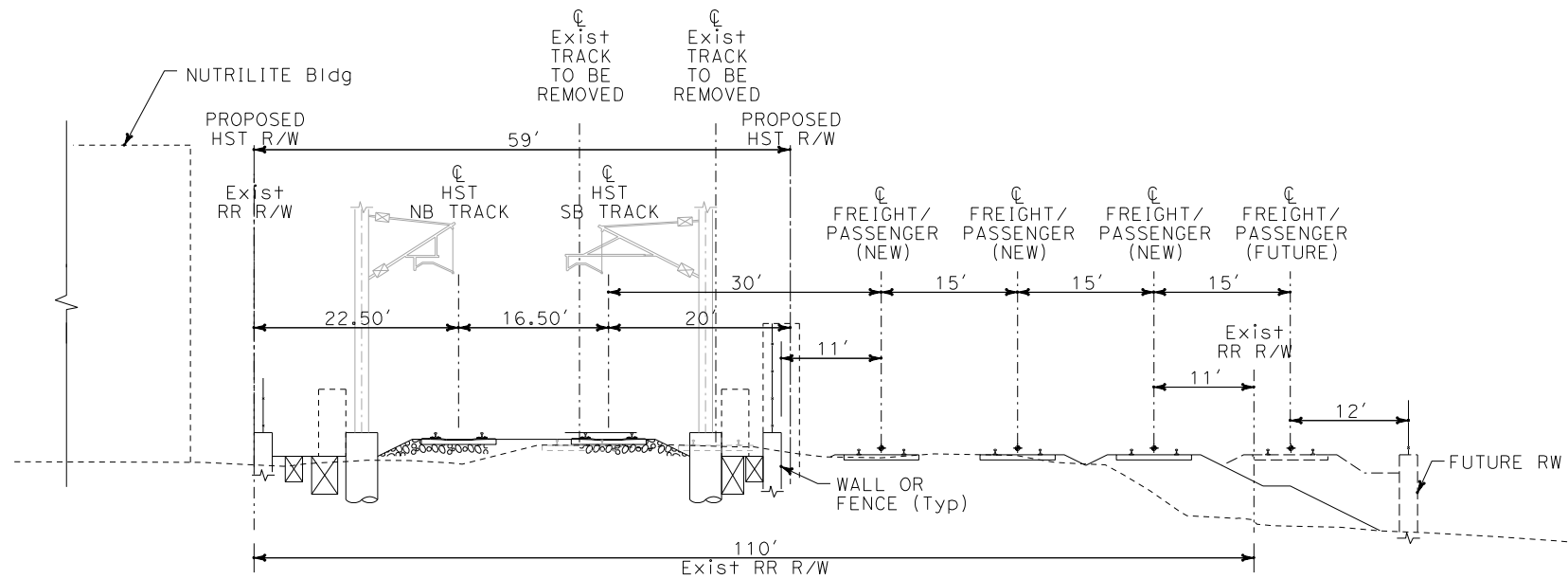
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DRAWING NO. TJ3031
SCALE 1" = 10'
SHEET NO.

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martinj



RETAINED FILL NORTH SIDE OF SAN BERNARDINO SUB
STA 1045+50



AT-GRADE ADJACENT TO NUTRILITE BUILDING
STA 1062+50



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10 0 10 20
GRAPHIC SCALE

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY K. MCCULLOUGH
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DATE 04-15-10



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ENGINEERS/ARCHITECTS/PLANNERS/CONSTRUCTION MANAGERS
1055 WEST SEVENTH STREET, SUITE 3150
LOS ANGELES, CA 90017-2556



CALIFORNIA HIGH-SPEED RAIL AUTHORITY
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
CROSS SECTIONS

CONTRACT NO. HSR06-0005
DRAWING NO. TJ3032
SCALE 1" = 10'
SHEET NO.

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martinj

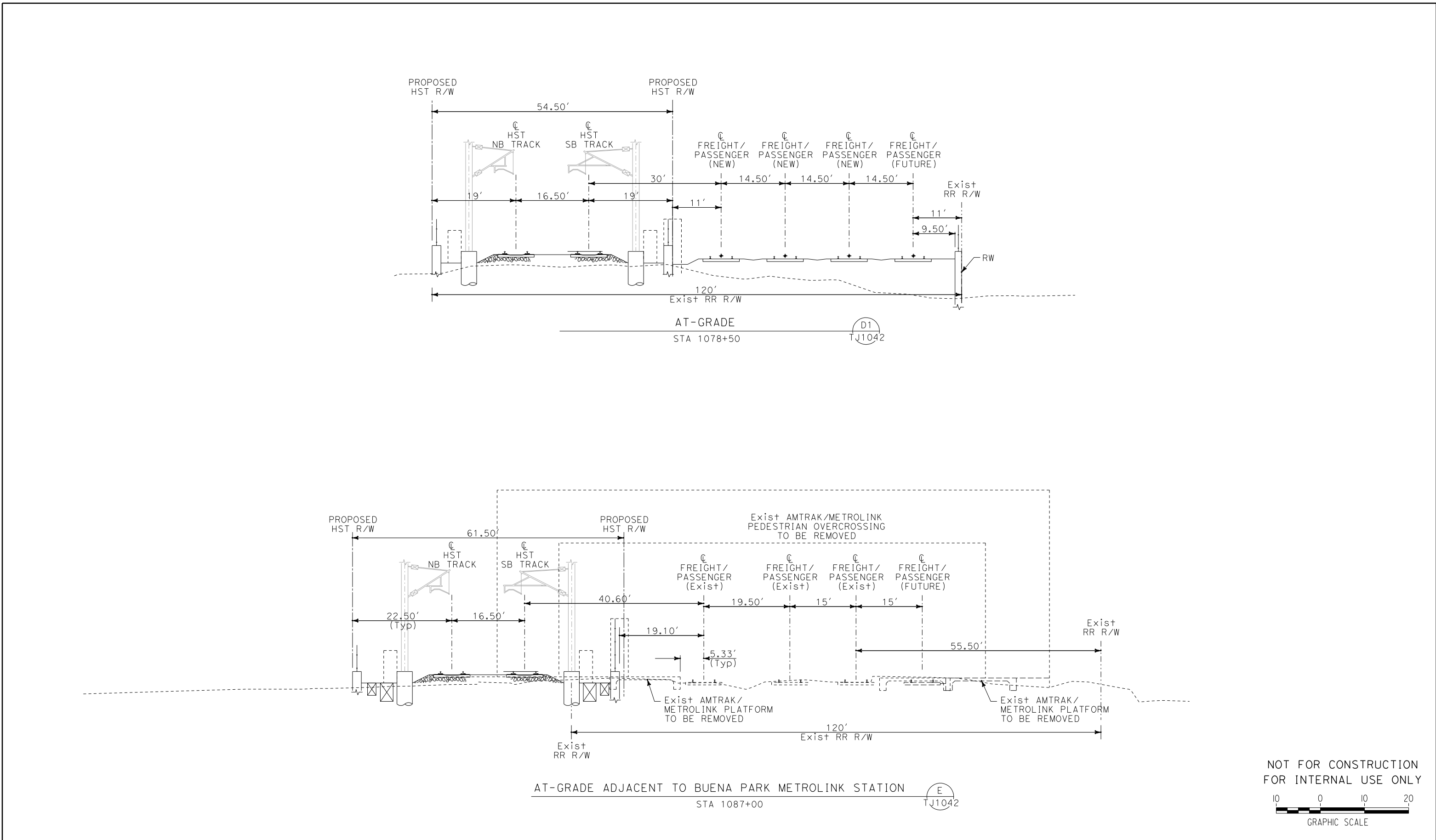
REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY	K. MCCULLOUGH
DRAWN BY	K. MCCULLOUGH
CHECKED BY	A. SOKOL
IN CHARGE	D. THOMSON
DATE	04-15-10

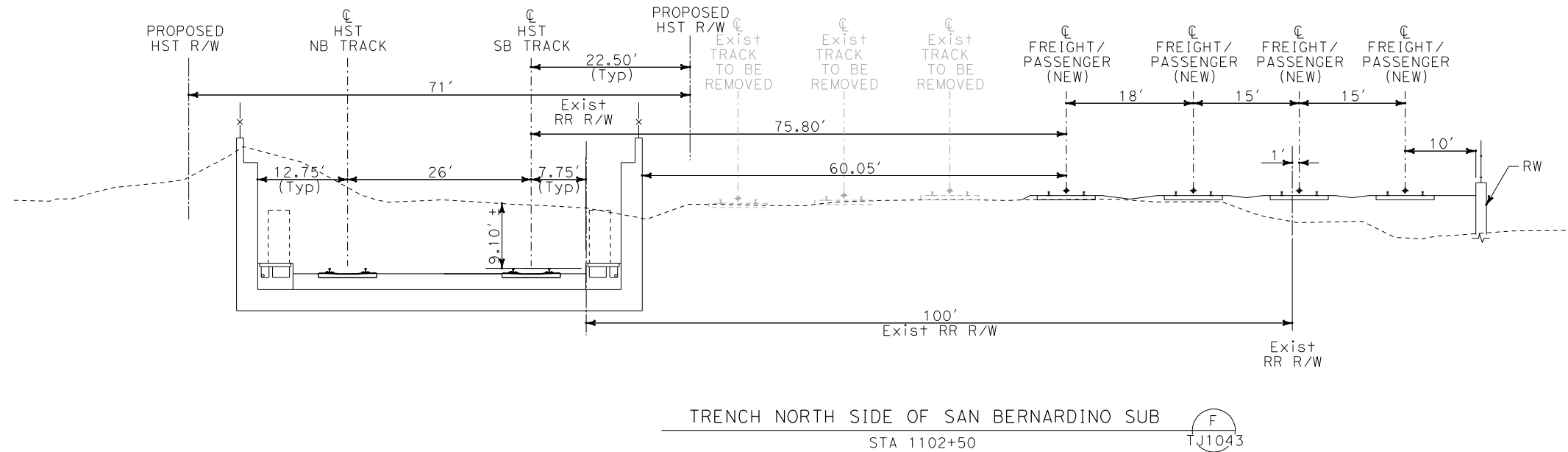
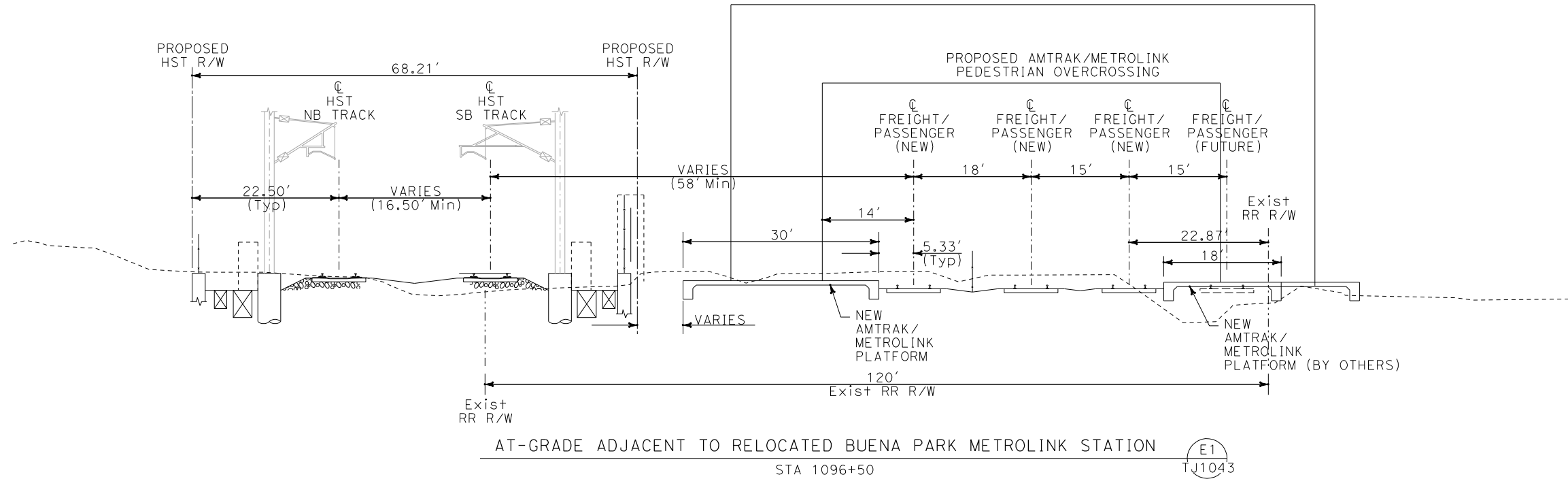


CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
CROSS SECTIONS

CONTRACT NO.	HSR06-0005
DRAWING NO.	TJ3033
SCALE	1" = 10'
SHEET NO.	



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10 0 10 20

GRAPHIC SCALE

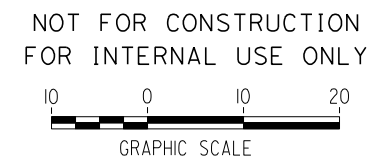
REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY	K. MCCULLOUGH
DRAWN BY	K. MCCULLOUGH
CHECKED BY	A. SOKOL
IN CHARGE	D. THOMSON
DATE	04-15-10



CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
CROSS SECTIONS

CONTRACT NO.	HSR06-0005
DRAWING NO.	TJ3034
SCALE	1" = 10'
SHEET NO.	

[illegible]

DESIGNED BY	K. MCCULLOUGH
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CHECKED BY	A. SOKOL
IN CHARGE	D. THOMSON
DATE	04-15-10



STV Incorporated
ENGINEERS/ARCHITECTS/PLANNERS/CONSTRUCTION MANAGERS
1055 WEST SEVENTH STREET, SUITE 3150
LOS ANGELES, CA 90017-2556



CALIFORNIA HIGH-SPEED RAIL AUTHORITY

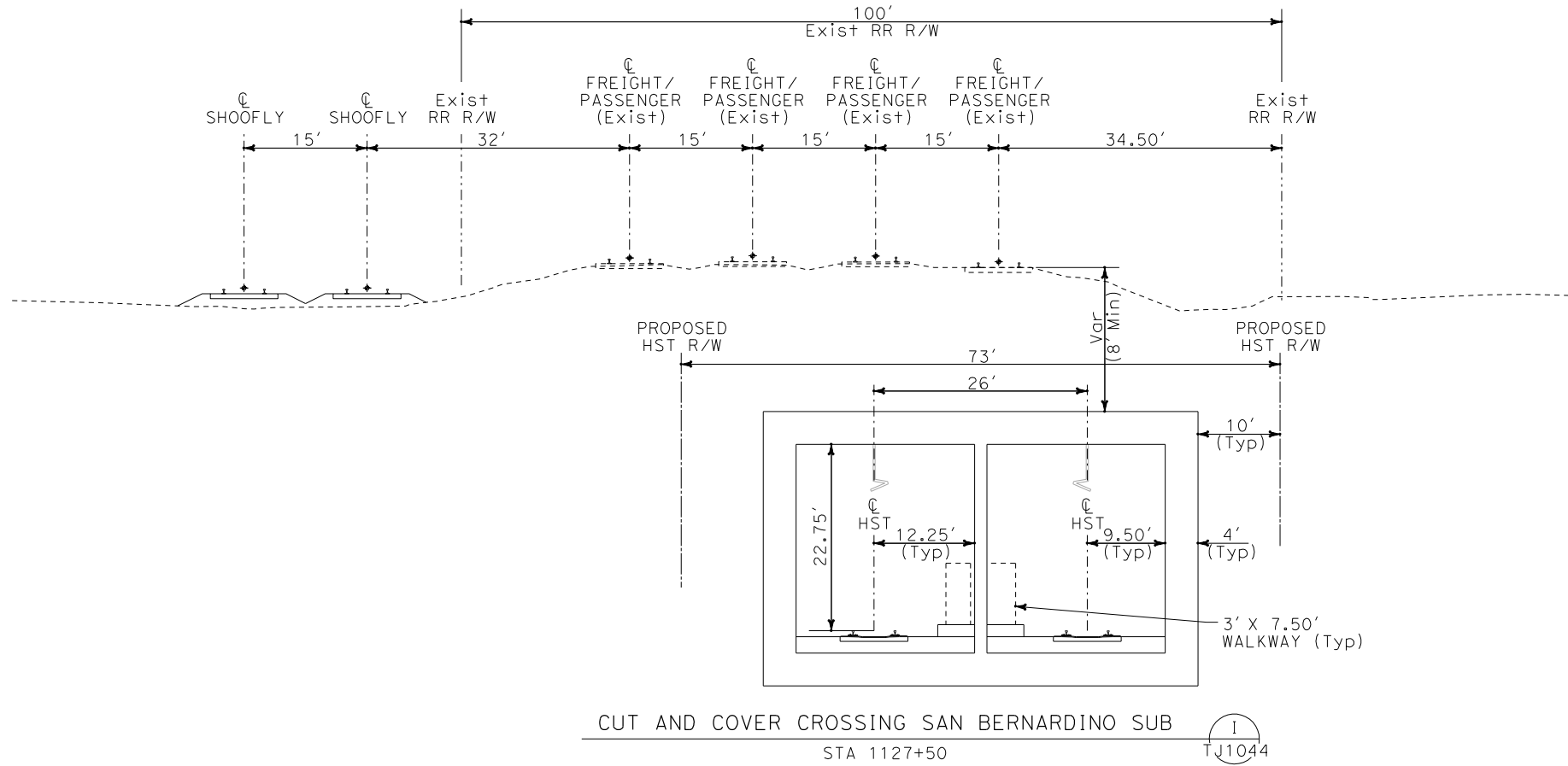
CALIFORNIA
Without ever leaving the ground.

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
CROSS SECTIONS

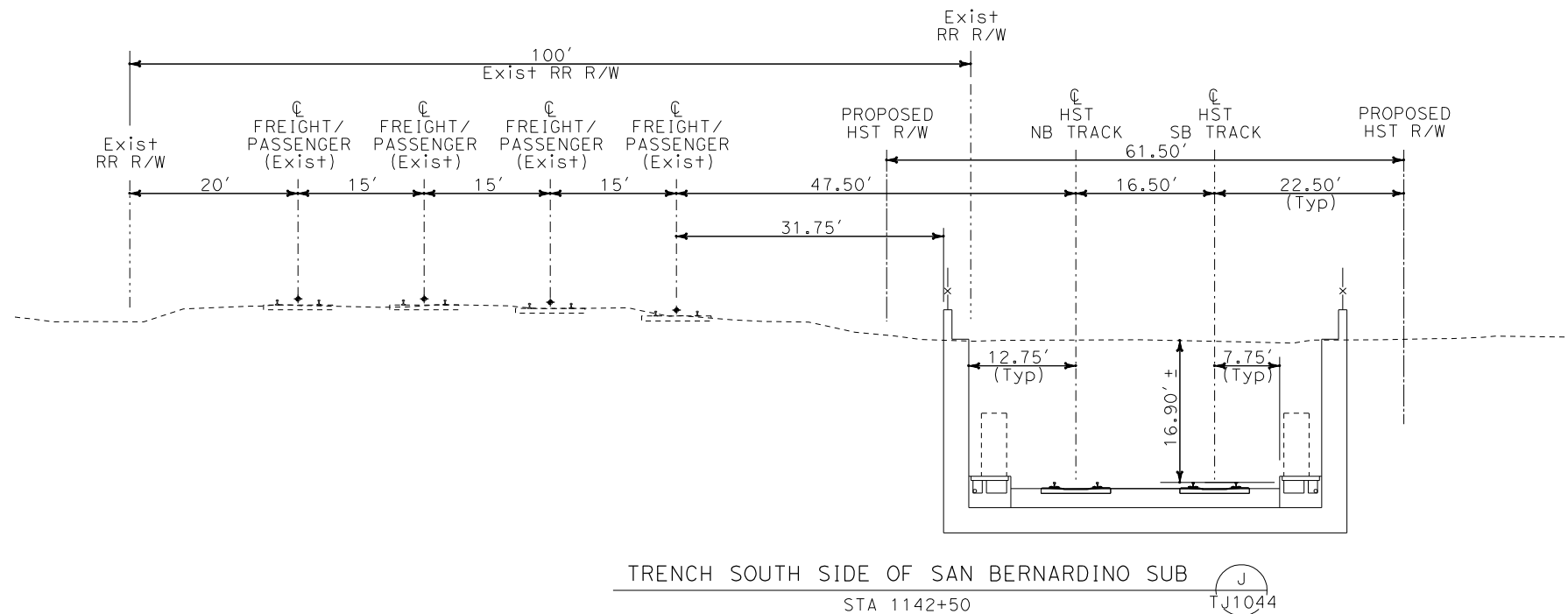
CONTRACT NO.	HSR06-0005
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martinj



NOTE:
SHOOFLY TRACKS ARE USED TO CONSTRUCT CUT AND COVER TUNNEL ACROSS THE SAN BERNARDINO SUB.



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10 0 10 20
GRAPHIC SCALE

REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY K. MCCULLOUGH
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IN CHARGE D. THOMSON
DATE 04-15-10



CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
CROSS SECTIONS

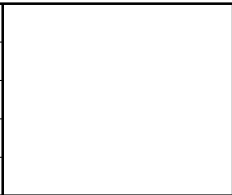
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SHEET NO.

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martinj

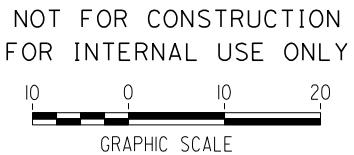
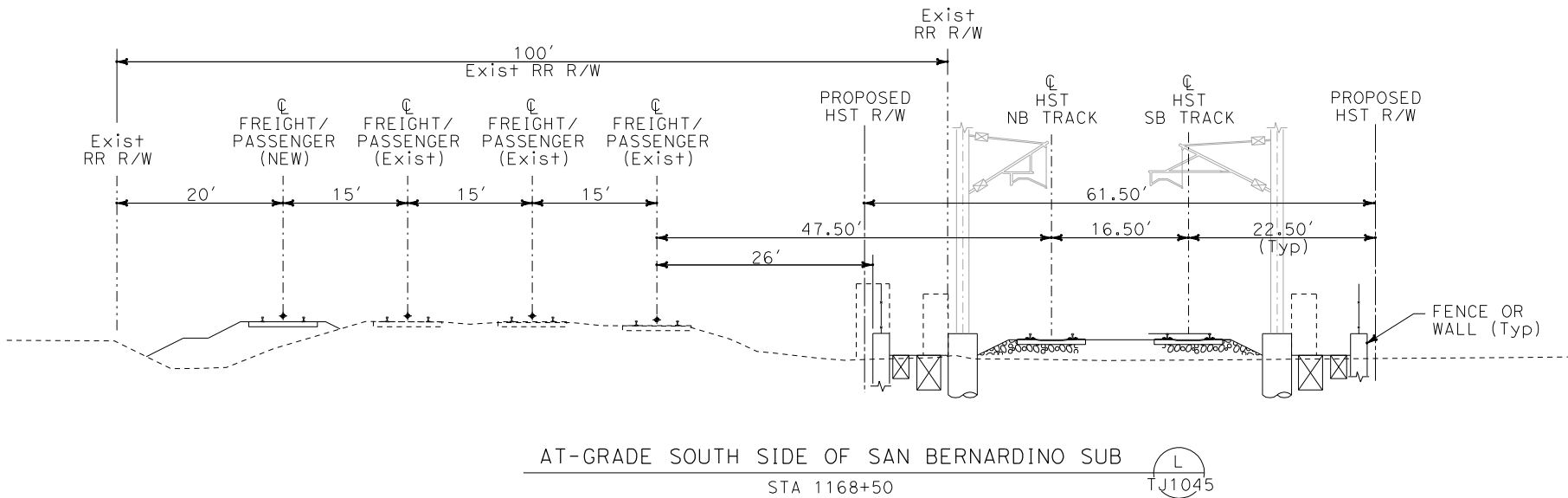
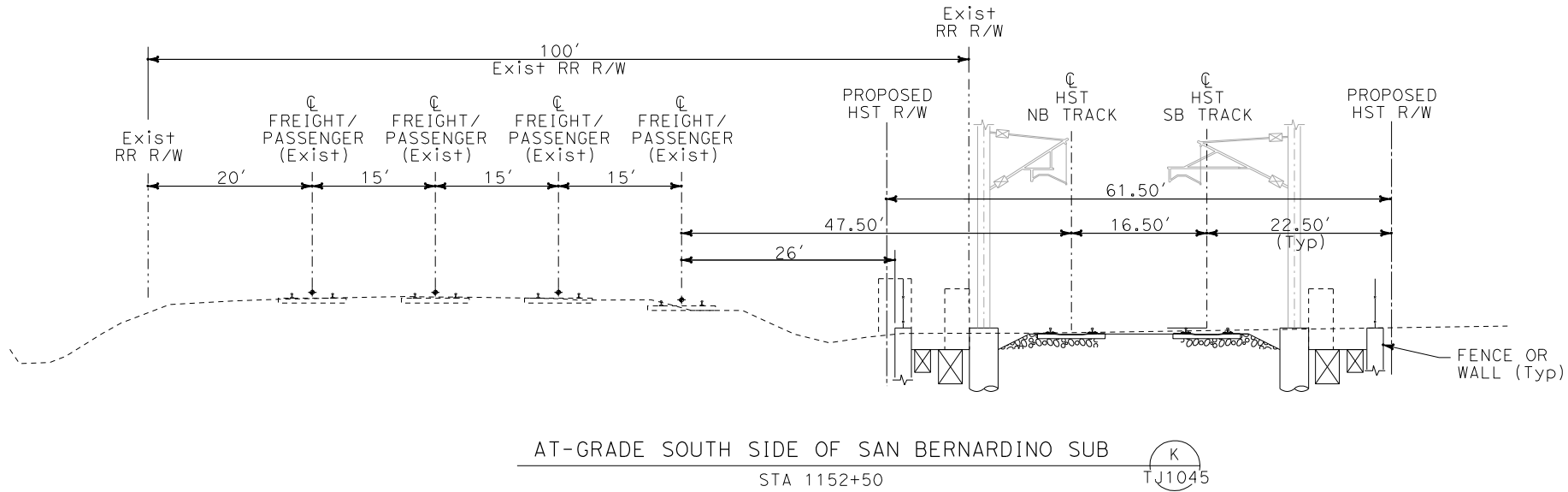
REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM**
SUPPLEMENTAL 15% DESIGN
BUENA PARK - TUNNEL OPTION
CROSS SECTIONS

CONTRACT NO. HSR06-0005
DRAWING NO. TJ3037
SCALE 1" = 10'
SHEET NO.





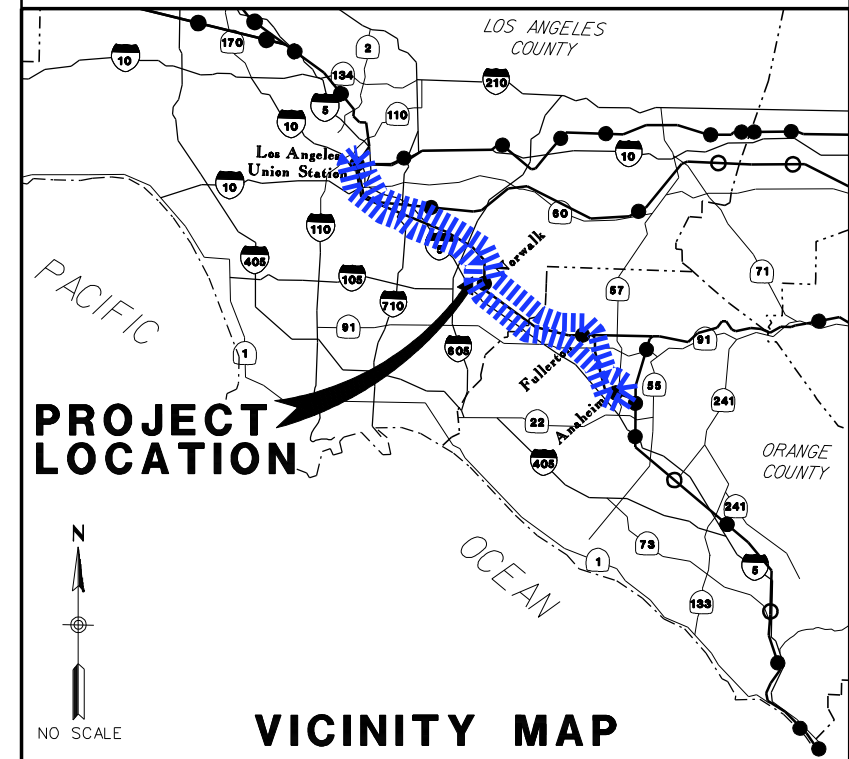
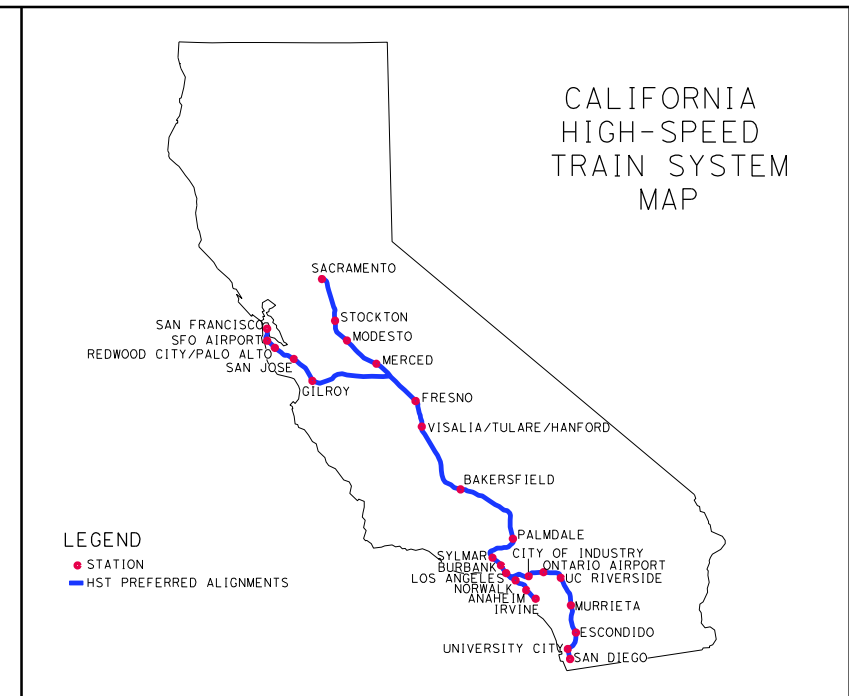
CALIFORNIA HIGH - SPEED RAIL AUTHORITY FLY CALIFORNIA

Without ever leaving the ground.

CALIFORNIA HIGH-SPEED TRAIN PROJECT LOS ANGELES TO ANAHEIM SECTION

SUPPLEMENTAL 15% DESIGN SUBMITTAL

ARTIC - UNDERGROUND STATION OPTION

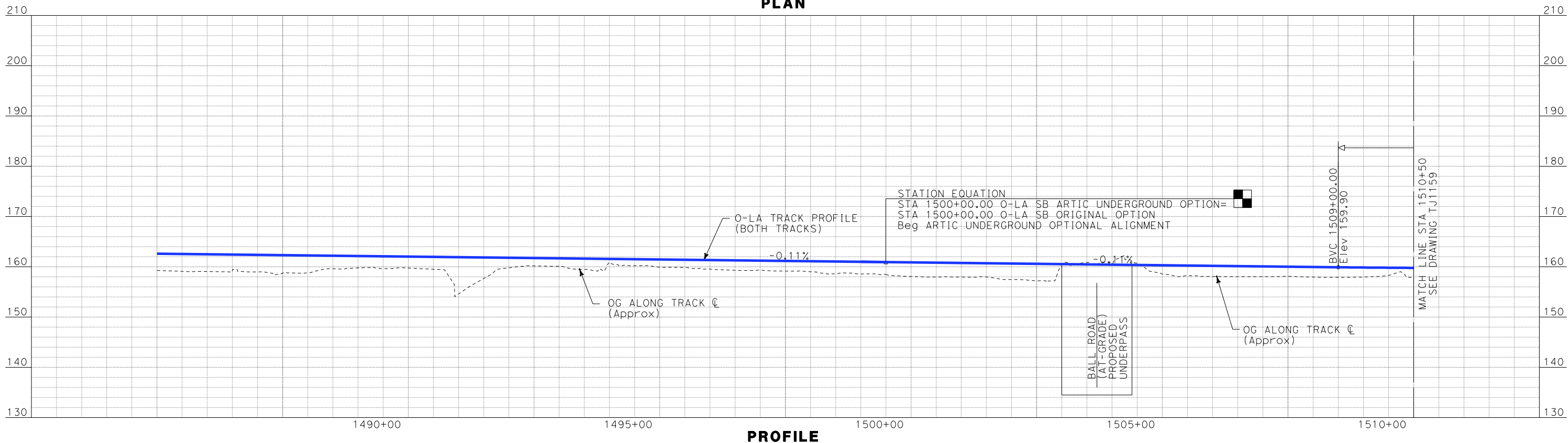
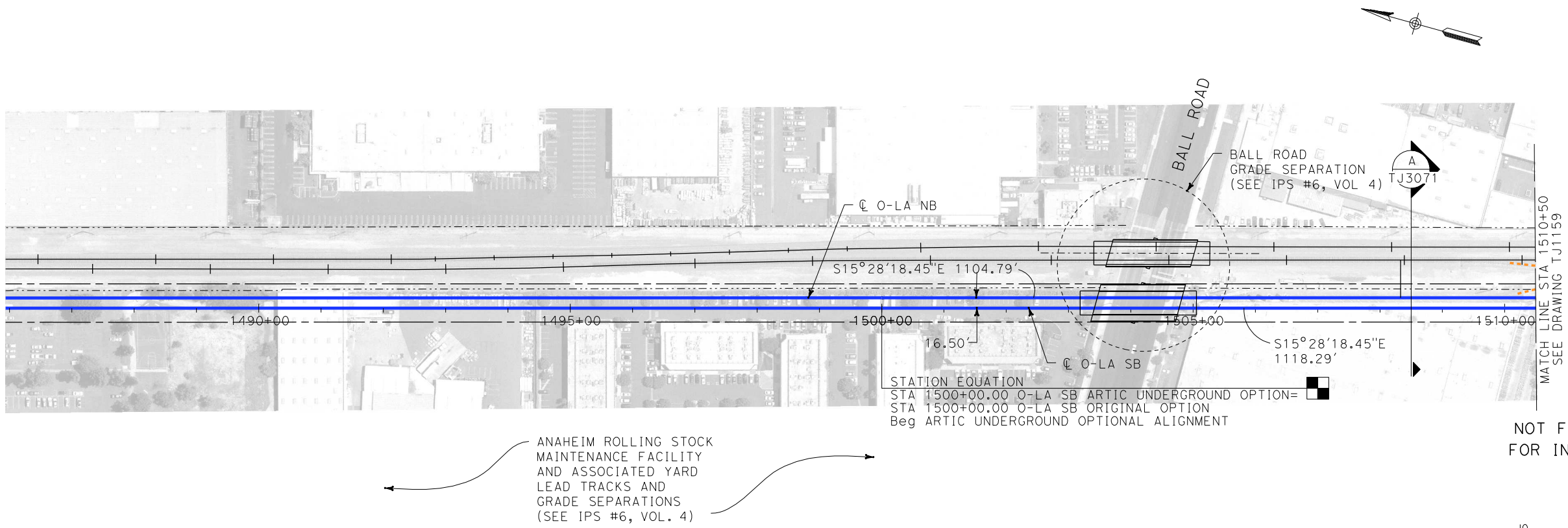


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**SUPPLEMENTAL 15%
DESIGN SUBMITTAL
APRIL 15, 2010**

CONTRACT NO.	HSR06-0005
DRAWING NO.	BJ0401
SCALE	NO SCALE
SHEET NO.	

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martinj



REV	DATE	BY	SUB	APP	DESCRIPTION

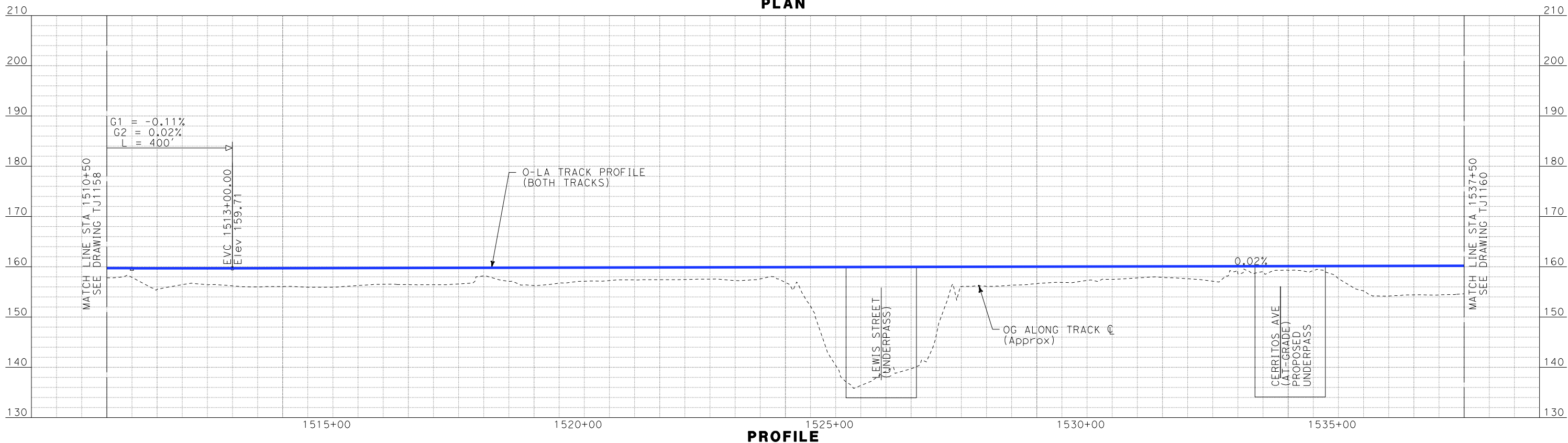
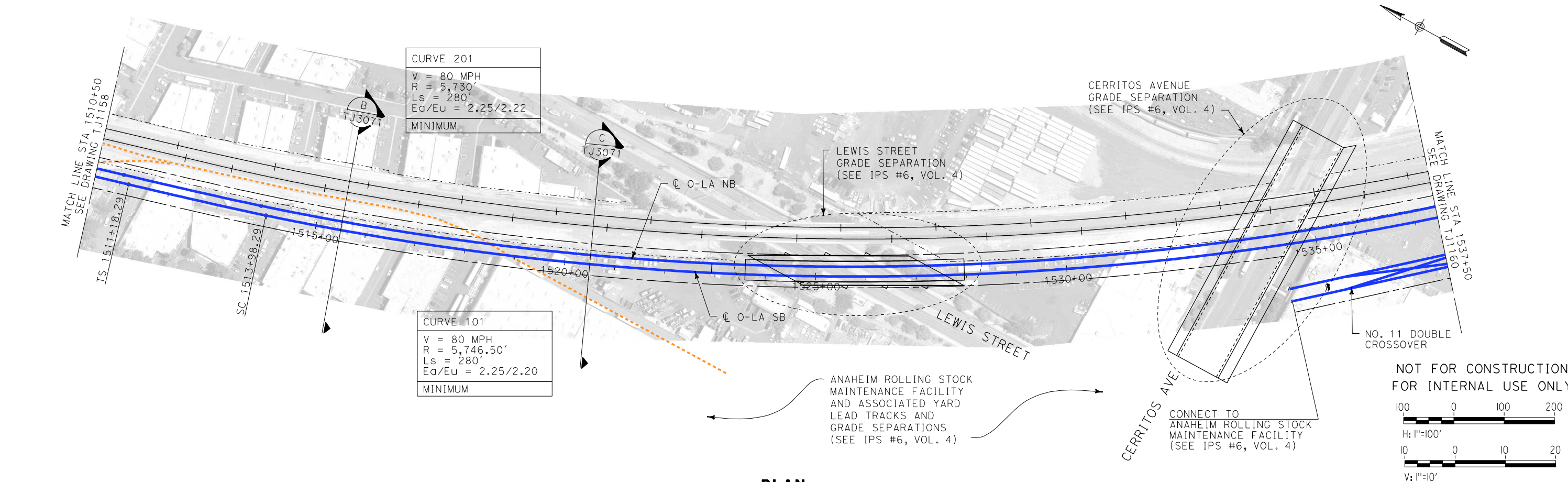
DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
ARTIC - UNDERGROUND STATION PLATFORM
PLAN AND PROFILE
STA 1485+50 TO STA 1510+50

CONTRACT NO. HSR06-0005
DRAWING NO. TJ1158
SCALE AS SHOWN
SHEET NO.

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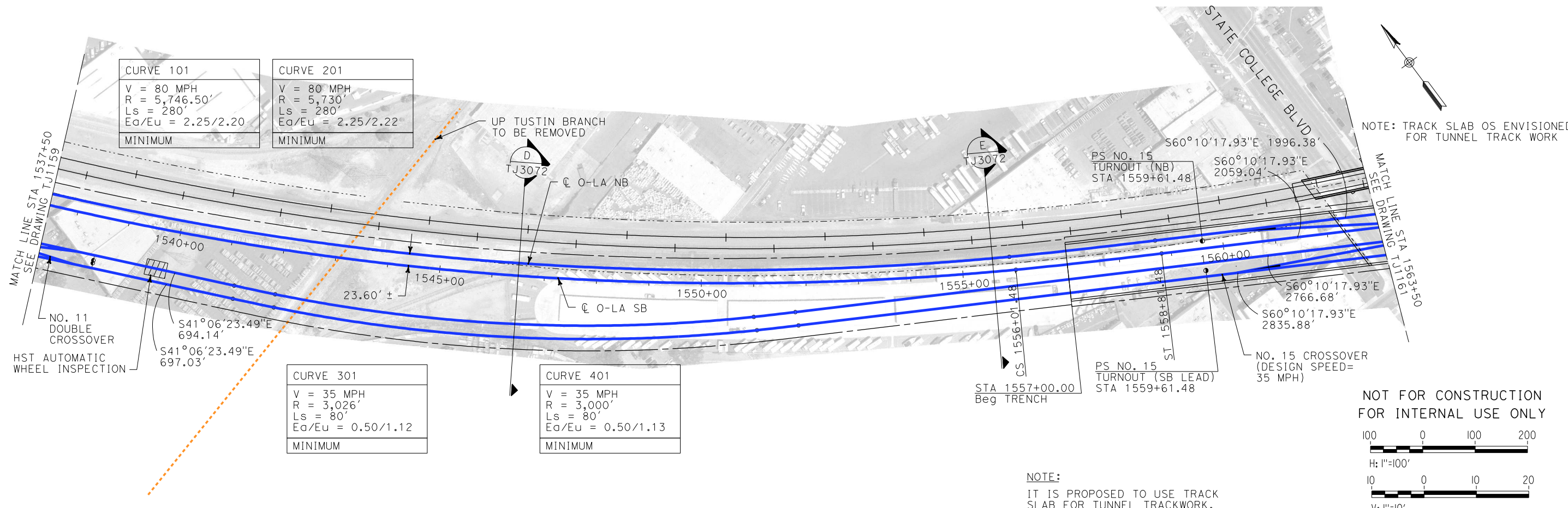
REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
ARTIC - UNDERGROUND STATION PLATFORM
PLAN AND PROFILE
STA 1510+50 TO STA 1537+50

CONTRACT NO. HSR06-0005
DRAWING NO. TJ1159
SCALE AS SHOWN
SHEET NO.



PLAN



PROFILE

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REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED BY K. MCCULLOUGH
DRAWN BY K. MCCULLOUGH
CHECKED BY A. SOKOL
IN CHARGE D. THOMSON
DATE 04-15-10



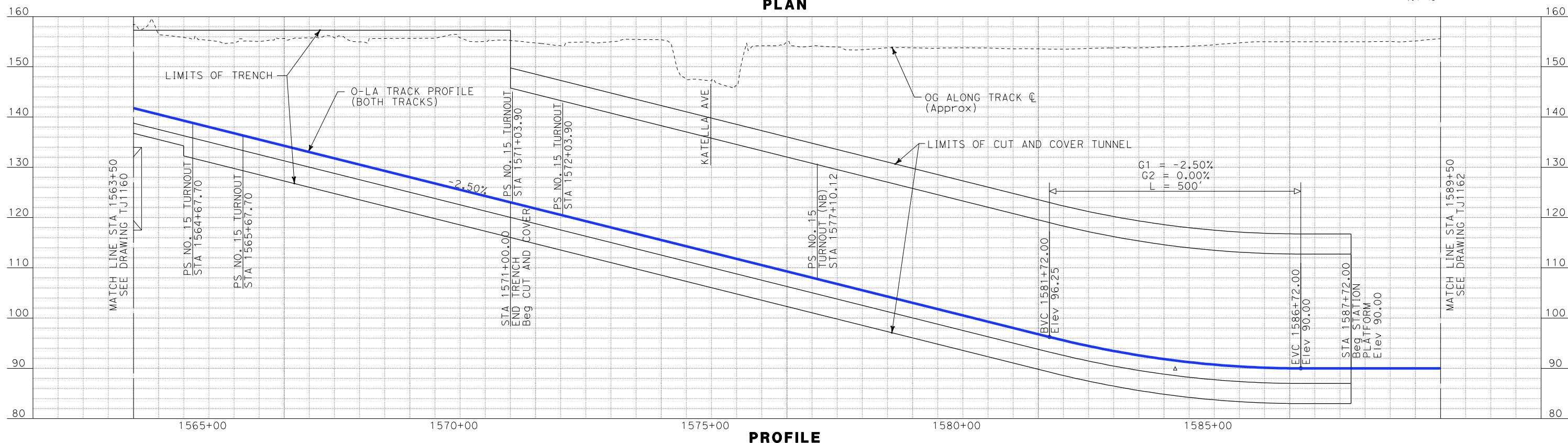
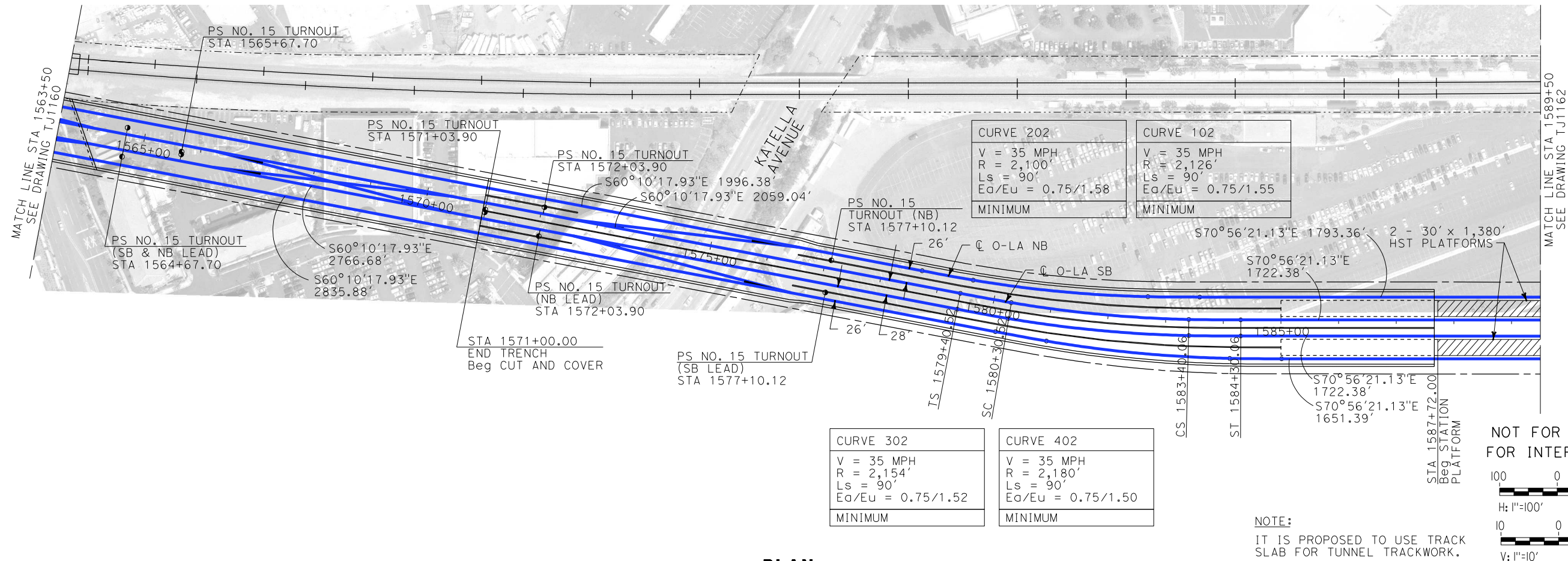
STV Incorporated
ENGINEERS/ARCHITECTS/PLANNERS/CONSTRUCTION MANAGERS
1055 WEST SEVENTH STREET, SUITE 3150
LOS ANGELES, CA 90017-2556



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CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
ARTIC - UNDERGROUND STATION PLATFORM
PLAN AND PROFILE
STA 1537+50 TO STA 1563+50

CONTRACT NO. HSR06-0005
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REV	DATE	BY	SUB	APP	DESCRIPTION

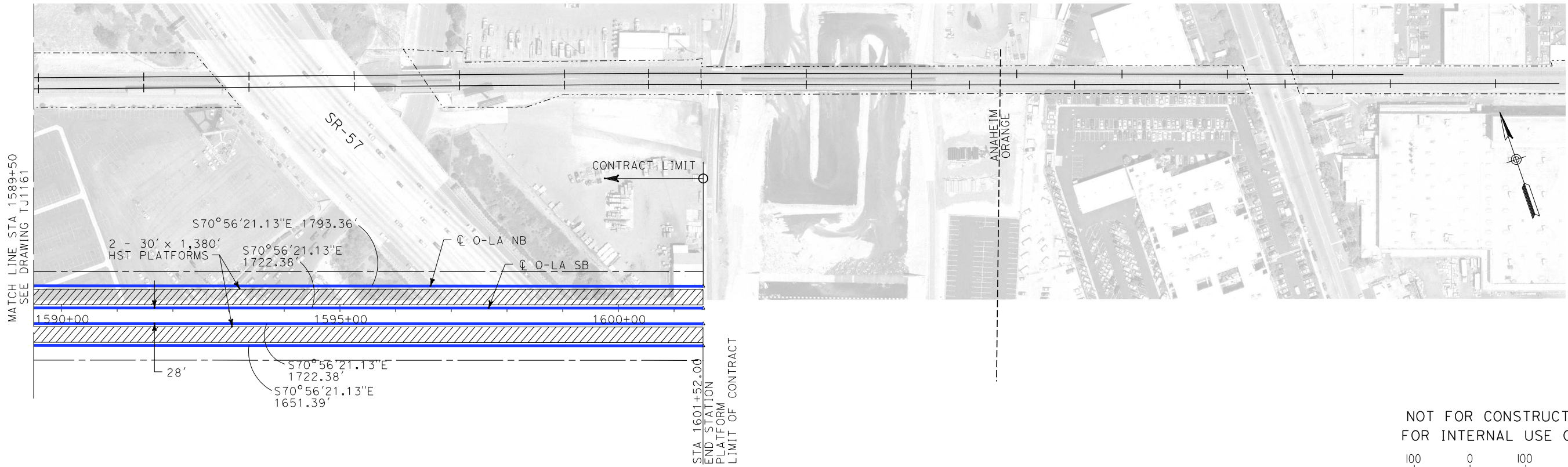
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DATE 04-15-10



CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
ARTIC - UNDERGROUND STATION PLATFORM
PLAN AND PROFILE
STA 1563+50 TO STA 1589+50

CONTRACT NO. HSR06-0005
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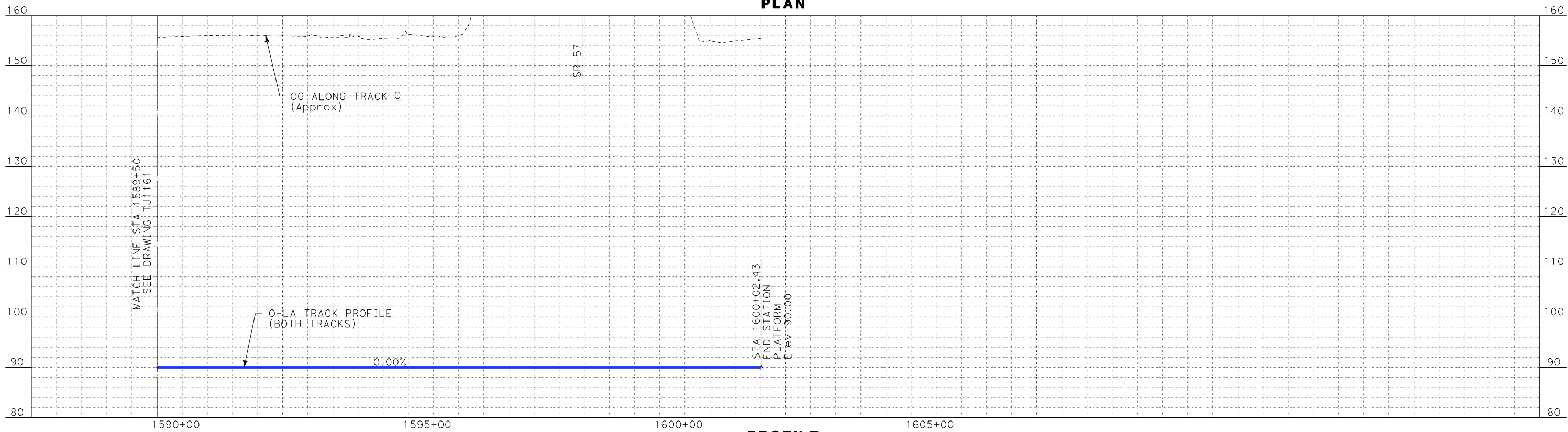
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H: 1"=100'

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V: 1"=10'

PLAN



PROFILE

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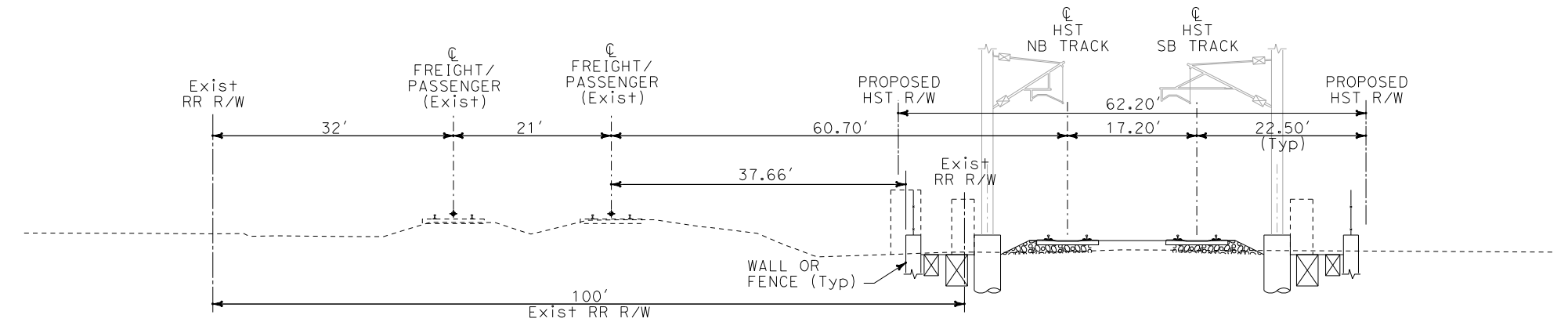
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
ARTIC - UNDERGROUND STATION PLATFORM
PLAN AND PROFILE
STA 1563+50 TO STA 1601+52

CONTRACT NO. HSR06-0005
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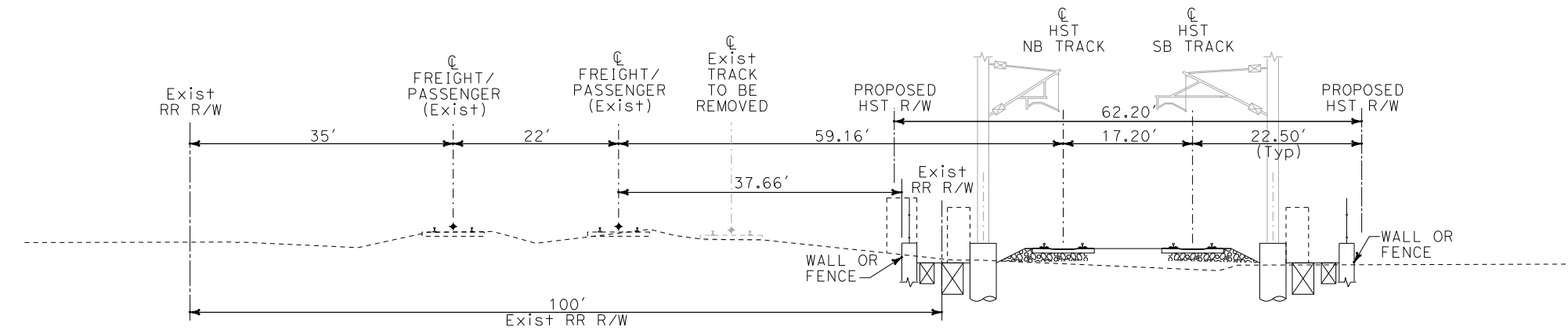
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AT-GRADE IN ANAHEIM

STA 1508+50

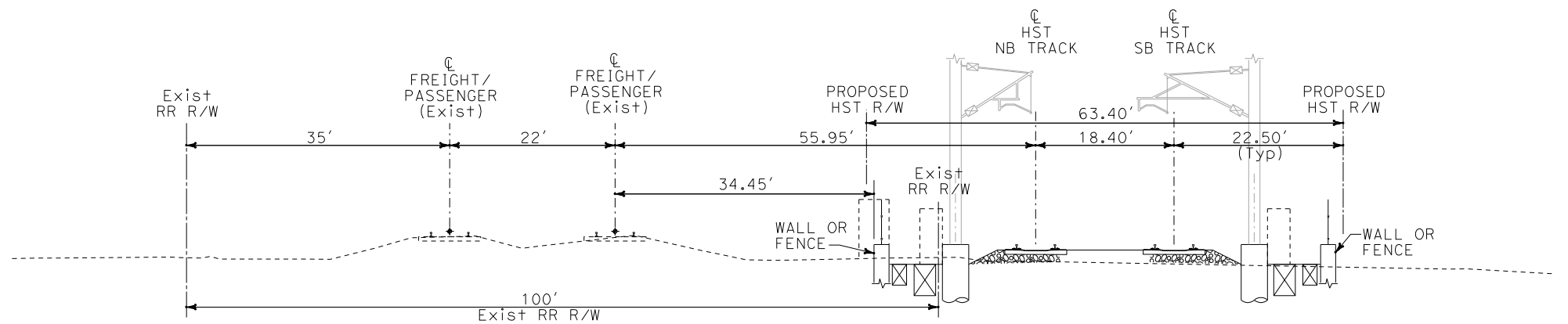
A
TJ1158



AT-GRADE IN ANAHEIM

STA 1515+50

B
TJ1159

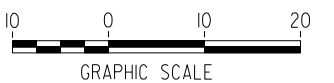


AT-GRADE IN ANAHEIM

STA 1520+50

C
TJ1159

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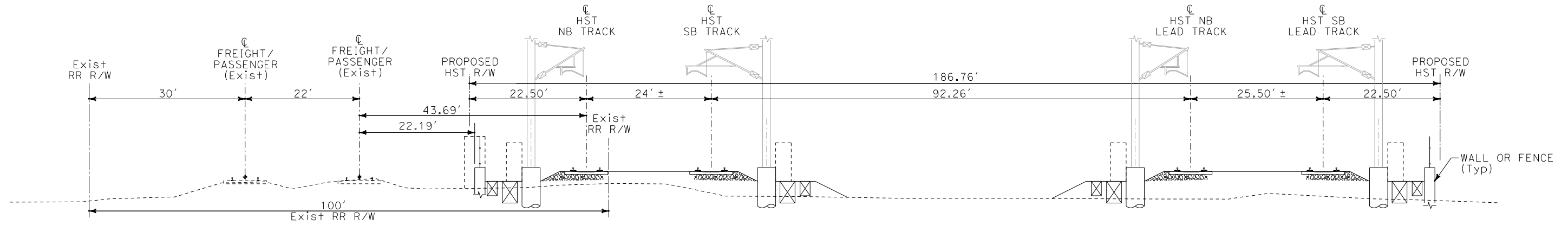
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CHECKED BY A. SOKOL
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DATE 04-15-10



CALIFORNIA HIGH-SPEED TRAIN PROJECT
LOS ANGELES TO ANAHEIM
SUPPLEMENTAL 15% DESIGN
ARTIC - UNDERGROUND STATION PLATFORM
CROSS SECTIONS

CONTRACT NO. HSR06-0005
DRAWING NO. TJ3071
SCALE 1" = 10'
SHEET NO.

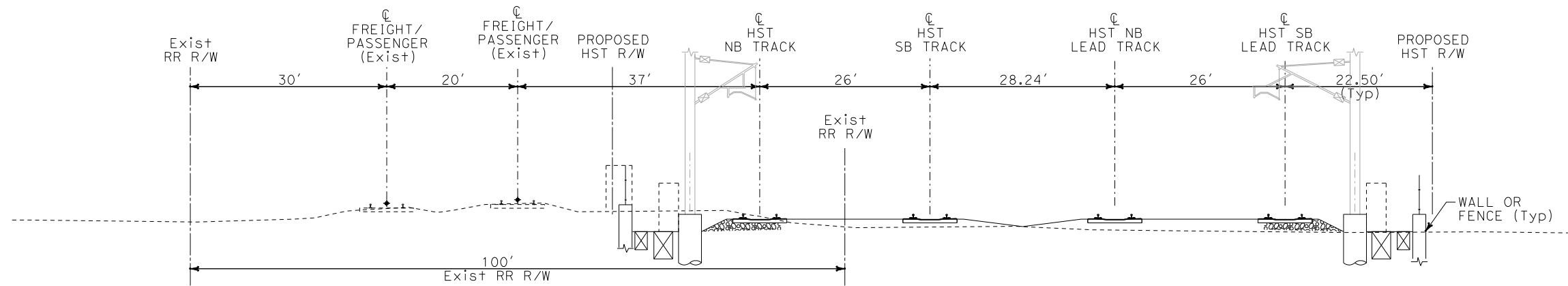
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AT-GRADE IN ANAHEIM

STA 1546+50

D
TJ1160



AT-GRADE IN ANAHEIM

STA 1557+50

E
TJ1160

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SUPPLEMENTAL 15% DESIGN
ARTIC - UNDERGROUND STATION PLATFORM
CROSS SECTIONS

CONTRACT NO. HSR06-0005
DRAWING NO. TJ3072
SCALE 1" = 10'
SHEET NO.